

Federal Committee on Statistical Methodology Research Conference

Advance Program

November 14-16, 2005

**Sheraton Crystal City Hotel
1800 Jefferson Davis Highway
Arlington, Virginia 22202**

Sponsored by:

Agency for Healthcare Research
and Quality

Bureau of Economic Analysis

Bureau of Labor Statistics

Bureau of Transportation Statistics

Energy Information Administration

Environmental Protection Agency

National Agricultural Statistics Service

National Center for Education Statistics

National Center for Health Statistics

Office of Research, Evaluation and
Statistics, Social Security Administration

Statistics of Income Division/Internal
Revenue Service

U.S. Census Bureau

Hosted by:

Council of Professional Associations
on Federal Statistics



Federal Committee on Statistical Methodology Research Conference

Arlington, Virginia—November 14-16, 2005

Monday (11/14)	Tuesday (11/15)	Wednesday (11/16)
7:30 a.m. Registration (Ballroom Foyer) Coffee (Ballroom Foyer)	7:30 a.m. Registration (Ballroom Foyer) Coffee (Ballroom Foyer)	7:30 a.m. Registration (Ballroom Foyer) Coffee (Ballroom Foyer)
9:00 - 10 a.m. Welcoming Remarks and PLENARY SESSION I (Ballroom A-B)	9:00 a.m. - 12:30 p.m. Technical Demonstrations (Crystal V and VI)	9:00 - 10:30 a.m. CONCURRENT SESSION VIII-A: VIII-B: VIII-C: (Ballroom A)(Ballroom B) (Ballroom C)
10:00 - 10:30 a.m. Break (Ballroom Foyer)	9:00 - 10:30 a.m. CONCURRENT SESSION V-A: V-B: V-C: (Ballroom A)(Ballroom B) (Ballroom C)	10:30 - 11 a.m. Break (Ballroom Foyer)
10:30 a.m. - 12 noon CONCURRENT SESSION II-A: II-B: II-C: (Ballroom A)(Ballroom B) (Ballroom C)	10:30 - 11:00 a.m. Break (Ballroom Foyer)	

12 noon - 1:15 p.m.

Open

1:30 - 3 p.m.

CONCURRENT SESSION

III-A: III-B: III-C:
(Ballroom A) (Ballroom B) (Ballroom C)

3:00 - 3:30 p.m.

Break

(Ballroom Foyer)

3:30 - 5:00 p.m.

CONCURRENT SESSION

IV-A: IV-B: IV-C:
(Ballroom A) (Ballroom B) (Ballroom C)

5:00 - 7:30 p.m.

Mixer (Cash Bar)

(Lobby Atrium)

11:00 a.m. - 12:30 p.m.

CONCURRENT SESSION

VI-A: VI-B: VI-C:
(Ballroom A) (Ballroom B) (Ballroom C)

12:30 - 1:45 p.m.

Open

2:00 - 3:30 p.m.

CONCURRENT SESSION

VII-A: VII-B: VII-C:
(Ballroom A) (Ballroom B) (Ballroom C)

11:00 a.m. - 12:30 p.m.

CONCURRENT SESSION

IX-A: IX-B: IX-C:
(Ballroom A) (Ballroom B) (Ballroom C)

Meeting Rooms:

Ballroom A-C
(2nd Floor)

Crystal V and VI
(2nd Floor)

Grand Ballroom Foyer
(2nd Floor)

Lobby Atrium
(2nd Floor)



Federal Committee on Statistical Methodology

2005 FCSM Research Conference

The 2005 Federal Committee on Statistical Methodology (FCSM) Research Conference was initiated by the FCSM. The FCSM is an interagency committee dedicated to improving the quality of federal statistics. The committee's major goals are to:

- communicate and disseminate information on statistical practice among all Federal statistical agencies,
- recommend the introduction of new methodologies in federal statistical programs to improve data quality,
- provide a mechanism for statisticians in different federal agencies to meet and exchange ideas.

The 2005 FCSM Research Conference provides a forum for experts from around the world to discuss and exchange current research and methodological topics relevant to federal government statistical programs. Each day of the conference will offer papers on a wide range of topics, including the use of advanced technologies for survey design and data collection, processing and dissemination, data mining, data warehousing and metadata, treatment of missing data, improving coverage and response rates, confidentiality and disclosure issues, record linkage, sample design and estimation, cognitive research and usability testing, and data quality.

Technical demonstrations on a variety of applications will run concurrently on the second day of the conference. Applications include systems for data warehousing, data analysis, clerical review, and data dissemination.

Sessions feature papers and demonstrations by government, private sector, and academic researchers from six countries. All paper sessions will include an open discussion and some sessions will include a formal discussion. Papers will be made available at the conference on a CD-ROM and posted to the FCSM Web site <www.fcsm.gov> following the conference. The final program/abstract booklet will be distributed at the conference.

We hope to see you at the 2005 FCSM Research Conference.

Monday, November 14

7:30 a.m. - 5:00 p.m.

Registration

7:30 - 9:00 a.m.

Coffee

9:00 - 9:10 a.m.

Welcoming Remarks

9:10 - 10:00 a.m.

PLENARY SESSION I

A National Statistical System in a Rapidly Changing World

Keynote Speaker: Myron Straf
(The National Academies of Science, USA)

10:00 - 10:30 a.m.

Break

10:30 a.m. - 12 noon

CONCURRENT SESSION II-A:

TIME SERIES AND STATISTICAL MODELING

Chair: Charlie Hallahan

(Economic Research Service, USA)

**Multivariate Statistical
Modeling With Survey Data**

Tihomir Asparouhov (Muthen and Muthen, USA) and Bengt Muthen (University of California, Los Angeles, USA)

**Application of Concurrent
Seasonal Adjustment to the CPI**

Daniel Chow, Claire Gallagher, and Jeff Wilson
(Bureau of Labor Statistics, USA) and
Adrian Thibodeau (Standard and Poor's, USA)

**Model-Based Seasonal
Adjustment Diagnostics**

Tucker McElroy and David Findley
(U.S. Census Bureau)

Discussant: Stuart Scott
(Bureau of Labor Statistics, USA)

CONCURRENT SESSION II-B:

MEASURING DATA QUALITY

Chair: Kevin Cecco (Statistics of Income
Division, Internal Revenue Service, USA)

**Data Quality of the American
Community Survey Across Individuals
Living in Linguistically Isolated and
Non-linguistically Isolated Households:
A Latent Variable Model Assessment**

Adam Carle (U.S. Census Bureau)

**Keystroke Data: SASifying
CAPI Audit Trails for Analysis**

Phuc Ho, William Chan, Sang Kang,
Lucien Smith, and Lucilla Tan
(Bureau of Labor Statistics, USA)

**Assessing the Reliability of Key
Measures in the National Survey
on Drug Use and Health Using
a Test-Retest Methodology**

Joel Kennet and Dicy Painter (Substance
Abuse and Mental Health Services Administra-
tion, USA), James Chromy, Katherine Bowman,
and Rebecca Granger (Research Triangle
Institute International, USA)

**Address-Based Sampling Versus
Random Digit Dialing: Comparison
of Data Quality from BRFSS Mail
and Telephone Surveys**

Michael Link and Ali Mokdad (Centers for
Disease Control and Prevention, USA),
Michael Battaglia, Pamela Giambo, and
Martin Frankel (Abt Associates, USA)

CONCURRENT SESSION II-C:

BAYESIAN APPLICATIONS

Chair: Van Parsons (National Center
for Health Statistics, USA)

**Bayesian Networks and
Complex Survey Sampling
From Finite Populations**

Mauro Scanu and Marco Ballin (Institute of National Statistics (ISTAT), Italy) and Paola Vicard (University Roma Tre, Italy)

**Investigation of Variance
Components in the Medical
Expenditure Panel Survey**

Robert Baskin (Agency for Healthcare Research and Quality, USA)

**A Bayesian Alternative to the
Chi-Squared Test of Association
in a Two-Way Categorical Table
With Intra-Class Correlation**

Balgobin Nandram (Worcester Polytechnic Institute, USA) and Jai Won Choi (National Center for Health Statistics, USA)

Discussant: Myron Katzoff
(National Center for Health Statistics, USA)

12 noon - 1:15 p.m.

Open Lunch

1:30 - 3:00 p.m.

CONCURRENT SESSION III-A:

INTERNET APPLICATIONS AND
SURVEY MODE COMPARISONS

Chair: Nancy Bates (U.S. Census Bureau)

**Innovative Web-Based Documentation
System Designed for the National
Survey on Drug Use and Health**

Nanthini Ganapathi, Susan Myers, and Inga Allred (Research Triangle Institute International, USA)

**Population Surveys From RDD
Telephone and Internet Panel
Samples: A Weighted Comparison
of Two National Taxpayer Surveys**

John Boyle (Schulman, Ronca & Bucuvalas, Inc., USA) and Lynda Mulvany (Internal Revenue Service, USA)

Potential Utility of Web-Based Data Collection Options

Heather Contrino (NuStats, USA)

Redesigning the Census Bureau's Intranet Site for Improved Usability: Methods and Lessons Learned

Elizabeth Murphy and Susan Ciochetto
(U.S. Census Bureau)

CONCURRENT SESSION III-B:

SAMPLE DESIGN AND ESTIMATION

Chair: Eric Schindler (U.S. Census Bureau)

Innovative Methods in Determining the Case Weights for the Large Truck Crash Causation Study

Dennis Utter, Nancy Bondy, Chou-Lin Chen,
and John Kindelberger (National Highway
Traffic Safety Administration, USA)

Variance Estimation and Inference from Complex Survey Data in the Presence of Interviewer-Level Measurement Error

John Eltinge and Moon Jung Cho (Bureau of
Labor Statistics, USA) and Partha Lahiri
(Joint Program in Survey Methodology,
University of Maryland, USA)

Coordinating the PRN: Combining Sequential and Bernoulli-Type Sampling Schemes in Business Surveys

Aryeh Reiter, Moshe Kelner,
Tzahi Makovsky, and Ronit Nirel
(Central Bureau of Statistics, Israel)

The Evolution of the Weekly Gasoline Price Survey Through Changes in Design and Frame

Paula Weir (Energy Information
Administration, USA) and
Pedro Saavedra (ORC Macro, USA)

CONCURRENT SESSION III-C:

MODEL-BASED SURVEY ESTIMATION

Chair: William Davis (National Cancer
Institute, USA)

Potential Applications of Model-Assisted Estimation to Demographic Surveys in the United States

Robert Fay (U.S. Census Bureau)

New Improved Small Area Models

Swamy Paravastu, Tamara Zimmerman, and Edwin Robison (Bureau of Labor Statistics, USA)

Smoothing Covariance Matrices From Survey Data Using Generalized Design Effects With Application to Small Area Estimation

Avi Singh and Yong You (Statistics Canada), Ralph Folsom and Akhil Vaish (Research Triangle Institute International, USA)

IRT and Latent Variable Modeling for Surveys With Complex Sampling Design With a Longitudinal Context: The Case of the National Longitudinal Survey of Children and Youth in Canada

André Cyr, Alexander Davies, and Claude Girard (Statistics Canada)

3:00 - 3:30 p.m.

Break

3:30 - 5:00 p.m.

CONCURRENT SESSION IV-A:

CENSUS AND SURVEY EVALUATION

Chair: Rick Moser (National Cancer Institute, USA)

Data Collection From Alaskan Cruise Ships

Nelson Andrews, Don Anderson, and Elizabeth Kim (U.S. Environmental Protection Agency)

Innovative Data Collection Methods in Smallpox Program Evaluation

Brian Evans, Brian Burke, and Paul Levy (Research Triangle Institute International, USA)

Statistical Assessment of the Glare Issue—Human and Natural Elements

Eun-Ha Choi and Santokh Singh
(National Highway Traffic Safety
Administration, USA)

Value of Physical Change in Farm Inventories: How Does One Reconcile Annual and Subannual Estimates?

Andrew Baldwin (Statistics Canada)

CONCURRENT SESSION IV-B:

CONFIDENTIALITY

Chair: Edward Spar (Council of Professional
Associations on Federal Statistics, USA)

Evolutionary Cell Selection for Interval Publication of Sensitive Cells to Protect Confidentiality

Timothy Li and Steve Cohen
(Bureau of Labor Statistics, USA)

Federal Statistical Confidentiality and Business Data: Challenges and Continuing Issues

William Seltzer (Fordham University, USA)
and Margo Anderson (University of
Wisconsin—Milwaukee, USA)

Informed Consent and Data Sharing: Implications of CIPSEA for Economic Surveys Respondents

Alfred Tuttle and Diane Willimack
(U.S. Census Bureau)

Discussant: Brian Harris-Kojetin
(Office of Management and Budget, USA)

CONCURRENT SESSION IV-C: ADVANCES IN FRAME DEVELOPMENT

Chair: Bob McEwen (National
Agricultural Statistics Service, USA)

Re-thinking Statistics Canada's Business Register

Eric Rancourt, Hélène Bérard, and
Stuart Pursey (Statistics Canada)

The Application of Dual System Principles to Estimate the Number of Missing Frame Elements

Howard Bradsher-Fredrick and
Shawna Waugh (Energy Information
Administration, USA)

Using Multiple Frames to Reach Tight Sample Size Requirements: The Canadian Community Health Survey Experience

François Brisebois and Marco Grenier
(Statistics Canada)

Modeling Which Farms Are Not Covered by a Census List Using an Area-Frame Survey

Theodore Chang (University of Virginia, USA)
and Phillip Kott (National Agricultural
Statistics Service, USA)

5:00 - 7:30 p.m.

Mixer (Cash Bar)

Tuesday, November 15

7:30 a.m. - 3:30 p.m.

Registration

7:30 - 9:00 a.m.

Coffee

9:00 a.m. - 12:30 p.m.

TECHNICAL DEMONSTRATIONS

UTE Tools to Test the Usability of Web sites

Janice Nall (General Services Administration, USA)

InFocus and JAWS for Accessibility Testing

Lawrence Malakhoff (U.S. Census Bureau)

Q-Bank System

Kristen Miller (National Center for Health Statistics, USA)

Innovative Web-Based Documentation System Designed for the National Survey on Drug Use and Health

Inga Allred, (Research Triangle Institute International, USA)

Blaise IS (Computer-Assisted Interviewing Software for the Web)

Jim O'Reilly (Westat, USA)

Metadata Software for NYCHANES

Debra Reed-Gillette (Centers for Disease Control and Prevention, USA)

9:00 - 10:30 a.m.

CONCURRENT SESSION V-A:

VARIANCE ESTIMATION

Chair: Charlie Hallahan

(Economic Research Service, USA)

A Study of the Properties of a Bootstrap Variance Estimator Under Sampling Without Replacement

Lenka Mach and Jean Dumais (Statistics Canada) and Lauriane Robidou (University of Social Sciences, France)

An Empirical Investigation into the Effects of Replicate Reweighting on Variance Estimates for the Annual Capital Expenditures Survey

Katherine Thompson (U.S. Census Bureau)

Investigations of BRR Variance Estimation for the Survey of Residential Alterations and Repairs (SORAR)

Laura Ozcoskun and Katherine Thompson (U.S. Census Bureau)

Discussant: Phil Kott (National Agricultural Statistics Service, USA)

**CONCURRENT SESSION V-B:
INTERPRETING RACE, ETHNICITY,
AND ANCESTRY**

Chair: Kathy Downey-Sargent
(Bureau of Labor Statistics, USA)

Fitting into a Box: The Intersection of Race, Ethnicity, Ancestry, and Immigration on the Decennial Census Short Form

Melinda Crowley (U.S. Census Bureau)

Manifesting Difference: Respondent Understanding of the Concepts of Ethnicity, Race, and Ancestry

Eleanor Gerber (U.S. Census Bureau)

Beyond the Personal: Race and Ethnicity Reporting

Michelle Jiles (U.S. Census Bureau)

Discussant: Sylvia Fisher (Substance Abuse and Mental Health Services Administration, USA)

CONCURRENT SESSION V-C:
GEOSPATIAL PERSPECTIVE AND ANALYSIS
Chair: William Mockovak
(Bureau of Labor Statistics, USA)

The Geospatial Perception and Its Impact on the Content and Processes of a Multi-Source Data Collection
Oliva Blum (Israel Central Bureau of Statistics)

The Geospatial Distribution of Employment
Sheryl Konigsberg, David Talan, and Richard Clayton (Bureau of Labor Statistics, USA)

Intra-Urban Mobility Patterns of Mexican Immigrants in Emerging Gateway Cities
Pamela Rogers (University of Texas at Austin, USA) and Yann-Yann Shieh (American Institutes for Research, USA)

The Impact of Immigration and Intra-Urban Migratory Patterns of Immigrants in Metropolitan Areas: Hierarchical Modeling Approach
Yann-Yann Shieh (American Institutes for Research, USA) and Pamela Rogers (University of Texas at Austin, USA)

10:30 - 11:00 a.m.
Break

11:00 a.m. - 12:30 p.m.
CONCURRENT SESSION VI-A:
LABOR FORCE STATISTICS
Chair: Nicole Nestoriak (Bureau of Economic Analysis, USA)

Total Factor Productivity Computed and Evaluated Using Multi-Step Perturbation
Baoline Chen (Bureau of Economic Analysis, USA) and Peter Zadrozny (Bureau of Labor Statistics, USA)

**New Data on Business
Employment Dynamics**

Akbar Sadeghi, Richard Clayton, and
David Talan (Bureau of Labor Statistics, USA)

**Evaluating Estimates of
Labor Demand and Turnover**

Charlotte Mueller and John Wohlford
(Bureau of Labor Statistics, USA)

Discussant: James Spletzer
(Bureau of Labor Statistics, USA)

**CONCURRENT SESSION VI-B:
EVALUATING THE RESPONSE PROCESS**

Chair: Marc Zodet (Agency for
Healthcare Research and Quality, USA)

**Automated Contact Attempt Histories
in Personal Visit Surveys: The Contact
History Instrument**

Nancy Bates and Andrea Piani
(U.S. Census Bureau)

**The Effect of Interviewer Strategies
on Contact and Cooperation Rates in
the National Health Interview Survey**

Barbara Stussman, James Dahlhamer,
Catherine Simile, Howard Riddick, and
Beth Taylor (National Center for Health
Statistics, USA)

**Social and Demographic Study of
Telephone Survey Nonrespondents**

Timothy Triplett (Urban Institute, USA)

**Are Two Feet in the Door Better Than
One? Using Process Data to Examine
Interviewer Effort and Nonresponse Bias**

Kevin Wang, Jeremy Aldworth,
Rodney Baxter, and Joe Murphy (Research
Triangle Institute International, USA)

**CONCURRENT SESSION VI-C:
LINKING ADMINISTRATIVE AND SURVEY DATA**

Chair: Dawn Haines (Social Security
Administration, USA)

The Estimation of the Italian Households' Financial Assets

Ivan Faiella, Leandro D'Aurizio, Stefano Iezzi, and Andrea Neri (Bank of Italy, Italy)

Evaluation of CPS Tax Simulation Using Administrative IRS Data

Amy O'Hara (U.S. Census Bureau)

Evaluating Respondents' Reporting of Social Security Income in SIPP Using Administrative Data

Lydia Scoon-Rogers (U.S. Census Bureau)

Discussant: Dan Kasprzyk
(Mathematica Policy Research, USA)

12:30 - 1:45 p.m.

Open

2:00 - 3:30 p.m.

CONCURRENT SESSION VII-A:

ADMINISTRATIVE DATA AND DATA QUALITY

Chair: Bob McEwen (National Agricultural Statistics Service, USA)

Reporting Data Quality When Survey and Administrative Data Are Combined

Julie Trépanier, Pierre Lavallée, and Claude Julien (Statistics Canada)

Developing Error Prone Profiles Using Administrative Data with a Control Group

Pedro Saavedra and Hoke Wilson
(ORC Macro, USA)

A Quality Framework for Administrative Data

Marilyn Thomas (Office for National Statistics, United Kingdom)

Using the Canadian Address Register in the Labour Force Survey: Implementation, Results, and Lessons Learned

Claude Turmelle, Jean-François Rodrigue, and Gavin Thompson (Statistics Canada)

CONCURRENT SESSION VII-B:

ANALYZING AND IMPROVING RESPONSE

Chair: Steve Machlin (Agency for Healthcare Research and Quality, USA)

Earlier Versus Later Respondent Assessments on Customer Surveys: Is There a Difference?

Howard Bradsher-Fredrick and William Weinig (Energy Information Administration, USA)

Results from Recent Experiments on Improving Response Rates

Ron Fecso (National Science Foundation, USA)

Efficient Estimation of Response Rates When a Small Subsample of Nonresponse Is Selected for Follow-Up Conversion

V. G. Iannacchione and D. Creel (Research Triangle Institute International, USA) and A. C. Singh (Statistics Canada)

Tests of Methods to Improve Response to Physician Surveys

David Woodwell and Catharine Burt (National Center for Health Statistics, USA)

CONCURRENT SESSION VII-C:

SURVEY INTEGRATION AND PLANNING

Chair: Polly Phipps (Bureau of Labor Statistics, USA)

Integrating the Canadian Annual Survey of Manufactures into the Unified Enterprise Survey: Challenges and Issues

Isabelle Marchand, Emmanuel Benhin, and Jose Gaudet (Statistics Canada)

Implementing and Improving Quality Standards at the U.S. Census Bureau

John Bushery and Pamela McGovern (U.S. Census Bureau)

Developing a Generic Survey

Marla Smith and Jan Matuszko

(U.S. Environmental Protection Agency)

Integrated Redevelopment of the ONS's Business Surveys and Business Register Through the Business Surveys Integration Project and Register Re-engineering Project

Pam Tate, Paul Smith, and John Perry (Office
for National Statistics, United Kingdom)

Wednesday, November 16

7:30 - 11:00 a.m.

Registration

7:30 - 9:00 a.m.

Coffee

9:00 - 10:30 a.m.

CONCURRENT SESSION VIII-A:

QUALITATIVE EVALUATION

Chair: Alethea Jennings (Energy
Information Administration, USA)

**Determining Best Practices for
Usability Test Methodology: A
Comparison of Assessment Methods**

Elizabeth Dean, Michael Schwerin,
Kimberly Robbins, and Sunghee Lee
(Research Triangle Institute
International, USA)

**Cross-Cultural Issues in Survey
Translation: Translation of
Meaning and Meaning of Translation**

Daniel Geller and Andrey Vinokurov,
(ORC Macro, USA) and Tamara Martin
(U.S. Department of State)

**Using Affective Imagery to Understand
the Quality of Survey Response**

Patricia Gwartney (University of Oregon, USA)

**Does Qualitative Evaluation
Measure Up?**

Kathleen O'Connor and Marcie Cynamon
(National Center for Health Statistics, USA)

CONCURRENT SESSION VIII-B:

TREATMENT OF MISSING DATA

Chair: Michael Cohen (Bureau of
Transportation Statistics, USA)

On Calibration and Non-response Adjustment for the National Compensation Survey

Alan Dorfman, Lawrence Ernst, Thomas Moerhle, Steven Paben, Chester Ponikowski, and Michael Sverchkov (Bureau of Labor Statistics, USA)

Methodological Challenges in Analyzing Patient-Reported Outcomes in a Clinical Trial

Elizabeth Hahn and David Cella (Evanston Northwestern Healthcare, USA) and G. A. Glendenning (Novartis Pharmaceuticals Corporation, USA)

Identifying Outliers in Patterns of Missing Data via Chi-Square and via Control Charts

Carl Pierchala (National Highway Traffic Safety Administration, USA)

Discussant: Yves Thibaudeau (U.S. Census Bureau)

CONCURRENT SESSION VIII-C:

PRETESTING AND USE OF NON-ENGLISH LANGUAGE QUESTIONNAIRES

Chair: Florina Serbanescu (Centers for Disease Control and Prevention, USA)

Pretesting and Administering Non-English Language Data Collection Instruments: Key Issues and an Agenda for Methodological Research

Patricia Goerman (U.S. Census Bureau)

The Use of Interpreters in the Conduct of Households Surveys: Guidance on How Interpreters Should Be Used in Data Collection With Non-English Speaking Respondents

Yuling Pan (U.S. Census Bureau)

**The Use of Cognitive Interviewing
and Behavior Coding to Evaluate
Non-English Language Survey
Questions: Lessons Learned**

Gordon Willis (National Cancer
Institute, USA)

**Old Friends and Old Problems:
Implementing Frequently-Used
Question Types in the
Cross-National Context**

Janet Harkness (ZUMA, Germany)

10:30 - 11:00 a.m.

Break

11:00 a.m. - 12:30 p.m.

CONCURRENT SESSION IX-A:

USE OF INNOVATIVE TECHNOLOGIES

Chair: Shawna Waugh (Energy Information
Administration, USA)

**Web-Based Factorial Survey and
Statistical Analysis Software**

Sam Addala and Vin Addala (e4xchange
Corporation, USA) and Matthew Hogben
(Centers for Disease Control and
Prevention, USA)

**Protecting Sensitive Tabular
Data By Complementary Cell
Suppression—Myth & Reality**

Ramesh Dandekar
(U.S. Department of Energy)

**Digital Capture of Geographic
Feature Data for Surveys**

Sarah Nusser (Iowa State University, USA)

**Guaranteed Controlled Rounding
for Many Totals in Multi-Way
and Hierarchical Tables**

Gordon Sande (Sande & Associates,
Nova Scotia)

CONCURRENT SESSION IX-B:
IMPROVING RESPONSE AND DATA
QUALITY IN ESTABLISHMENT SURVEYS
Chair: Dennis Fixler (Bureau of
Economic Analysis, USA)

**Applying Knowledge of Business
Surveys Response Processes to the
Design of Data Collection Software at
the U.S. Census Bureau**

Amy Anderson and Rebecca Morrison
(U.S. Census Bureau)

**The Response Process Model in
Business Surveys: Lessons Learned
by Using a Multi-Method Approach**

Deirdre Giesen (Statistics Netherlands)
and Tony Hak (Erasmus University,
The Netherlands)

**Improving Industry Descriptions
for the Annual Refiling Survey**

Karen Goldenberg and Monica Dashen
(Bureau of Labor Statistics, USA)

**Towards Reducing Error in an
Establishment Survey Through
Instrument Design: Identifying
the Desired Navigational Path**

Cleo Redline (National Science
Foundation, USA)

CONCURRENT SESSION IX-C:
DATA FOR POLICYMAKING
Chair: William Mockovak
(Bureau of Labor Statistics, USA)

**Alternative Measures of
Social Security Dependence**

Lynn Fisher (Social Security
Administration, USA)

Monte Carlo Simulation for Addressing Uncertainties in Regulatory Analysis

Jing-Shiarn Wang (National Highway
Traffic Safety Administration, USA)

Discussant: Steve Cohen (Bureau of
Labor Statistics, USA)

REGISTRATION INFORMATION
2005 FCSM RESEARCH CONFERENCE
NOVEMBER 14-16, 2005

Lodging: The conference will be held at the Sheraton Crystal City Hotel, Arlington, Virginia. Registrants are responsible for their own lodging arrangements. **A conference rate of \$169 per day for single occupancy (\$189 for double), plus tax, is available until October 21, 2005.** The Sheraton Crystal City Hotel is just minutes from the White House, U.S. Capitol, Smithsonian Institution, Kennedy Center, and other Washington attractions. The hotel is one mile from Reagan National Airport, and a half block from the Crystal City Metro stop (blue and yellow lines). The hotel offers a parking garage. **Reservations must be guaranteed** by advance payment (U.S. check, international money order, or credit card) **on or before October 21, 2005.** **Reservations made after October 21 will be accepted on a space and rate available basis only.** Call or write the Reservations Manager, Sheraton Crystal City Hotel, 1800 Jefferson Davis Highway, Arlington, Virginia 22202 (703-486-1111) or 1-888-627-8209 (worldwide number). Be sure to mention the **FCSM Research Conference** to get the conference rate.

Conference Fee: Registration is \$150.

To register for the conference using a credit card, fax the registration form with credit card information to 301-457-3682. To register for the conference using a U.S. check or international money order, make payable to "Commerce-Census," and mail with this form to:

**U.S. Department of Commerce
U.S. Census Bureau
P.O. Box 277943
Atlanta, GA 30384-7943**

Direct all questions to:

Carol McDaniel or Anna Halaus
Conference Coordinators
Administrative and Customer Services Division
U.S. Census Bureau
4700 Silver Hill Road, Stop 1915
Washington, DC 20233-1915
(301-763-2308)

Conference fees are nonrefundable after
October 1, 2005.

**Space is limited.
Early registration is encouraged.**

FCSM Management Committee

Nancy Kirkendall
Energy Information Administration

Conference Committee

William Mockovak (Conference Co-Chair)
Bureau of Labor Statistics

Nancy Bates (Conference Co-Chair)
U.S. Census Bureau

Ana Aizcorbe
Bureau of Economic Analysis

Howard Bradsher-Fredrick
Energy Information Administration

Michael Cohen
Bureau of Transportation Statistics

Bill Davis
National Cancer Institute

Trena Ezzati-Rice
Agency for Healthcare Research and Quality

Brian Greenberg
Social Security Administration

Charlie Hallahan
Economic Research Service

Anna Holaus
U.S. Census Bureau

Myron Katzoff
National Center for Health Statistics

Steve Kaufman
Department of Education

Carol McDaniel
U.S. Census Bureau

Bob McEwen
National Agricultural Statistics Service

Samuel Posner
Centers for Disease Control and Prevention

Tammy Rib
Internal Revenue Service

Brandon Shackelford
National Science Foundation

Ed Spar
Council of Professional Associations
on Federal Statistics

REGISTRATION FORM

**2005 Federal Committee on Statistical
Methodology Research Conference
November 14-16, 2005**

Registration Fee: \$150.00

Method of Payment:

- ☐ Master Card ☐ VISA ☐ Discover
☐ AMEX ☐ U.S. Check or Money Order

Credit Card No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiration Date _____ (Month/Year)

Signature _____

Printed Name _____

For credit card payments, fax this form to 301-457-3682.
For payments by U.S. check or money order, make payable
to "Commerce-Census," and mail it with this form to:

**U.S. Department of Commerce, U.S. Census Bureau
P.O. Box 277943, Atlanta, GA 30384-7943.**

Please Print Clearly

Name (Circle one: Dr., Mr., Ms., Mrs., Miss)		
Title		
Organization		
Business address		
City	State	Zip
Cell/Daytime Telephone () _____		Fax () _____
E-mail Address _____		
Emergency Contact Person Name: _____ Relationship: _____		
Address	State	Zip
Telephone: Day () _____		Evening () _____

**MEETING SPACE IS LIMITED. RETURN THIS FORM BY
SEPTEMBER 15 TO GUARANTEE YOUR REGISTRATION.**

Space is available on a first-come, first-served basis.
Refunds will not be processed after October 1, 2005.

**Hotel reservations at conference rate end on
October 21, 2005.** Call and make your hotel reservations
now—703-486-1111 or 1-888-627-8209 (Worldwide).
Please reference the FCSM Research Conference.

For information/questions, contact:
Carol McDaniel or Anna Halaus at 301-763-2308.

For Accounting Use Only:

Project/Task: 9502000-000
Org Code: 11-29-0090-00-00-00-00
Obj Class: 25-20-04-00
Please send registration form receipts to
Carol McDaniel, CTMSB, Room 1647/3.



This meeting is ADA accessible.
Please check here if you need
special services due to disability
and attach a statement regarding
your disability needs.